

ENERGIZE MISSOURI HOMES

MISSOURI DEPARTMENT OF NATURAL RESOURCES



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES



MULTI-UNIT RESIDENTIAL RETROFITS

APPLICATION FORMS

AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009

STATE ENERGY PROGRAM

SUBMITTAL DEADLINE:

July 9, 2010

4:00 PM CDT

MISSOURI DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENERGY

1101 RIVERSIDE DRIVE

P.O. BOX 176

JEFFERSON CITY, MO 65102-0176

FORM A - APPLICATION COVER PAGE

Applicant Information

Applicant Name:	
DUNS Number:	
FEIN/SSN:	
Mailing Address:	
City:	
Zip Code + 4:	

Contact Name:	
Title of Contact:	
Email Address:	
Telephone Number:	
Fax Number:	
Total Funding Requested*:	

**Maximum grant amount per application is \$500,000.*

Project Information

Project Title:

Proposed Start Date:

Proposed Completion Date:

Brief project description:

Has an energy audit been conducted on the building?

☐ No

☐ Yes

If yes, please explain.

Reserved for Missouri Department of Natural Resources Use

Date Received	Time Received	Proposal Number Assigned

FORM A - APPLICATION COVER PAGE

Metrics Activity

Jobs Created or Retained: FTE
 Annual Energy Savings: kWh

GHG Emissions Reduced: CO₂e
 Cost Effectiveness: MMBTU/\$1000

Financial Information

Required measures:

	Amount (\$)
Number of Units	<input type="text"/>
Funding per Unit	\$200.00
Total Funding for Required Measures	<input type="text"/>

Total project:

	Amount (\$)	Percent (%)
Funding Requested	<input type="text"/>	<input type="text"/>
Funds Leveraged	<input type="text"/>	<input type="text"/>
Total Project Cost	<input type="text"/>	100%

Signature

I hereby certify that I am authorized to submit this application and that the information presented in this application is true and accurate. In addition, I agree to abide by all the terms and conditions described in the Missouri Department of Natural Resources *Energize Missouri Homes* – Multi-Unit Residential Retrofit Program guidelines, application forms, and all supporting documents.

Name

Signature

Date

FORM B - PROJECT NARRATIVE

Project Narrative

Provide a description of the proposed project, including goals and objectives and a statement of work (required tasks and activities). Also specify the project benefits for the residents and owner of the building. The description should include information on the proposed project location, licenses and permits required (if applicable) and the current status of the project.

Discuss the merits of the project per the evaluation criteria provided in the program guidelines. The applicant should identify expected project outcomes including job creation, energy savings, greenhouse gas emission reductions, etc.

Provide a proposed timeline for project milestones or events: A milestone/event could be a percentage of project completion, ground breaking or any other marker determined by the applicant.

[illegible]

FORM C - SHARED SPACES PROJECTS

Shared Spaces Projects

This form is to be completed by the applicant detailing the costs of the shared spaces project.

Average Electric Utility rate (F):

		(A)	(B)	(C)	(D) = [(A) x (B)]+(C)	(E)	(D) (E) x (F)	(G) = 70% x (D)	(H)	(I)
Equipment	Equipment Specifications	Equipment Unit Cost (\$)	Number of Units	Installation Cost (\$)	Eligible Project Cost	Annual Energy Savings (kWh)	Simple Payback (years)	Maximum Allowable Funding Requested	Funds Leveraged (\$)	Actual Funding Requested (\$)
Subtotal Shared Spaces Project										

FORM D - REQUIRED MEASURES EXEMPTION

Required Measures Exemption Form

For each required measure that will not be implemented in a residential unit, applicants must explain why in the table provided below. An example of a reason for an exemption would be that the measure is already installed in the unit. Attach additional copies of this form as needed.

		REQUIRED MEASURES							
	Residential Unit Number (ex. Apt. #)	CFLs	T8 Fluorescent Lights	Low Flow Shower Head	Faucet Aerator	Weather Stripping	Caulking	Toilet Displacement Bag	Programmable Thermostats
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									

FORM E - ENERGY METRICS

Jobs Created or Retained

	(A)	(B)	(C)	(D) = (C) x 8	(E)	(F) = (E) / (D)
Labor Activity	Proposed Start Date	Proposed Completion Date	Working Days between Start Date and Completion Date (days)	Cumulative Hours on a Full-Time Schedule (hrs)	Hours Worked on Labor Activity (hrs)	Jobs Created or Retained (FTE)
Required Measures						
Shared Spaces Project						
TOTAL						

Annual Energy Savings and GHG Emissions Reduced

	(A)	(B)	(C) = (A) x (B)
	Annual Energy Savings (kWh)	GHG Emission Factor (MT CO _{2e} /kWh)	GHG Emissions Reduced (MT CO _{2e})
Required Measures		0.00083462	
Building Project		0.00083462	
TOTAL			

Cost-Effectiveness

	(A)	(B)	(C)	(D) = $\frac{[(A) \times (B)]}{(C)}$
	Annual Energy Savings (kWh)	Conversion Factor	Funding Requested (\$)	Cost-Effectiveness (MMBtu/\$1000)
TOTAL		0.003413		

FORM F - PROJECT BUDGET

Budget Summary

	(A)	(B)	(C) = (A) + (B)	(D)
Budget Item	Funding Requested (\$)	Funds Leveraged (\$)	Total Costs (\$)	Percentage (%)
Equipment & Materials				
Installation Costs				
Administrative Expenses				
Other (please explain below)	N/A			
TOTAL				100%

Other budget items:

Detailed Budget

Equipment/Materials: List all items of equipment to be purchased valued greater than \$100.

Equipment/Material	Quantity	Unit Cost (\$)	Funding Requested (\$)	Funds Leveraged (\$)	Total Cost (\$)
TOTAL					

FORM F - PROJECT BUDGET

Detailed Budget (continued)

Direct Labor: List all applicable costs for design, construction, or installation. Note that for purposes of this program, only the labor performed by the trained subgrantee or a licensed third party contractor will be used considered eligible to receive funding. Labor performed by the homeowner, renter, landlord, a relative, a friend, or a business associate will NOT be considered eligible to receive funding.

Title/Job Classification	Number of Hours	Billing Rate (\$/hr)	Total Cost (\$)	Funding Requested (\$)
TOTAL				

Funds Leveraged

List the sources of funding that will be leveraged for this project, including funding contributed by financial partners and other public funds. Identify the date when the funds were received by the applicant.

The applicant must provide letters from each financial partner or funding entity indicating the amount of their support and the project commencement date expected for their partnership. In the event of funding by private foundations or public sources, if such a letter is not yet available, indicate the anticipated source and provide supporting documents or guidelines for the anticipated source.

Source	Date of Award	Total Funds (\$)
TOTAL		

FORM G - WASTE STREAM

Waste Stream Description

Indicate if the proposed project will generate a waste stream. For activities that will generate a waste stream, describe the waste and your methodology for waste handling and disposal.

FORM H - NATIONAL ENVIRONMENTAL POLICY ACT

Applicability of NEPA to the Proposed Project

☐ The proposed project is categorically excluded from NEPA because it falls within the following category and does not involve “extraordinary circumstances” within the meaning of 10 C.F.R. Section 1021.410:

☐ Funding energy efficiency retrofits, provided that projects are limited to: Installation of insulation; installation of energy efficient lighting; HVAC upgrades; weather sealing; purchase and installation of ENERGY STAR appliances; replacement of windows and doors; high efficiency shower/faucet upgrades; and installation of solar powered appliances with improved efficiency.

☐ Development, implementation, and installation of onsite renewable energy technology that generates electricity from renewable resources, provided that projects are limited to:

- Solar Electricity/Photovoltaic - appropriately sized system or unit on existing rooftops and parking shade structures; or a 60 KW system or smaller unit installed on the ground within the boundaries of an existing facility.
- Wind Turbine - 20 KW or smaller.
- Solar Thermal - system must be 20 KW or smaller.
- Solar Thermal Hot Water - appropriately sized for residences or small commercial buildings.
- Ground Source Heat Pump - 5.5 tons of capacity or smaller, horizontal/vertical, ground, closed-loop system.
- Combined Heat and Power System - boilers sized appropriately for the buildings in which they are located.
- Biomass Thermal - 3 MMBTUs per hour or smaller system with appropriate Best Available Control Technologies (BACT) installed and operated.

☐ The proposed project falls within the categories listed above but may involve “extraordinary circumstances” within the meaning of 10 C.F.R Section 1021.410, for the following reason(s):

☐ Form E - EF-1 Environmental Questionnaire has been completed and attached.

☐ The proposed project is not categorically excluded, for the following reason(s):

☐ Form E - EF-1 Environmental Questionnaire has been completed and attached.

For more information regarding NEPA see the Department of Energy (DOE) NEPA website: <http://www.gc.energy.gov/NEPA/>

